

Attorney's Docket No.: 10559-362001  
Client's Ref. No.: P10096

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Applicant: Srinivasan et al. Art Unit : 2122  
Serial No.: 09/734,333 Examiner : Chameli Das  
Filed: November 30, 2000

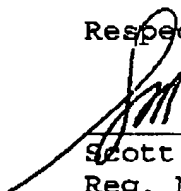
Title : DISCOVERY AND INTEGRATION OF JINI SERVICES IN NON-JAVA  
CLIENTS

Mail Stop Appeal Brief - Patents  
Commissioner for Patents  
P.O. Box 1450  
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Brief on Appeal faxed this 20<sup>th</sup> day of April, 2005, to the United  
States Patent and Trademark Office.

Respectfully submitted,

Date: April 20, 2005

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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BRIEF ON APPEAL

Sir: Applicant files this appeal brief under 37 CFR 41.37.

The sections required by the rules follow.

(1) Real Party in Interest

Intel Corp. is the assignee of record and is hence the real party in interest.

(2) Related Appeals and Interferences

There are no known related appeals and/or interferences.

(3) Status of Claims

Claims 1-22 and 24-27 are pending, and each of these claims are appealed.

(4) Status of Amendments

An amendment after final was filed on November 22, 2004.

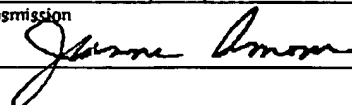
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Based on the attached PAIR printout, it appears that even though this amendment was filed in December, that as of the time of this writing, this still not been acted on by the patent office. (see PAIR printout attached)

**(5) Summary of Claimed Subject Matter**

Claim one requires obtaining a non-Java object, see for example the non-Java service 100 described page 3 line 7. The non-Java object is converted into a wrapped object, see the wrapper described page 3 line 8. As explained in page 3 lines 8-10, the wrapper acts like Java proxy code. A wrapped object is then published to the Jini service see page 4.

Claim 12 defines storing a non-Java object, see page 3 generally lines 3-10. A bridge portion is described page 3 beginning line 18, and its functionality is described page 3 20 through page 4 line 10. A communication element provides a wrapped Java object to a broker for Java objects.

Page 19 describes converting a non-Java object into a wrapped object, see the wrapper described page 3 line 8. The wrapped object is sent to a Jini broker which publishes information see generally page 5 lines 1-14. The information is automatically updated, see page 4 last two lines.

Claim 22 defines obtaining a non-Java object, see page 3 line 7. The Java object is converted into a wrapped object see

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page 3 line 8. That wrapped object is published to the Jini service, see generally page 4.

Claim 26 defines determining information about a service that performs specified operations, which is described in the specification for example page 3 lines 3-5. The specification describes determining if this can be serialized as a Java object, for example, see page 5 lines 1-3. If not, it is converted into a wrapped object, see page 3 line 8. The service is provided to a Jini broker which publishes various information about the object, see generally page 5 lines 1-14.

#### (6) Grounds of Rejection

The only rejection of record is a rejection under 35 USC 112, second paragraph, for alleged indefiniteness. This is hence the only rejection to be reviewed on appeal. No art based rejections were set forth in the official action dated July 22, 2004.

#### (7) Argument

Claims 1-22 and 24-27 stand rejected under 35 USC 112, second paragraph, as being indefinite. This contention is respectfully traversed. The rejection rejects all claims based on their use of a trademark. The analysis accompanying the rejection states that a trademark is per se indefinite since it is used to describe the source of goods, rather than the goods

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themselves. However, in this particular instance, it is respectfully suggested that the claim terms as used are completely definite. In fact, these claim terms do not merely describe the source of the goods, but rather describe the goods themselves. The Java™ language, and the Jini™ broker, are well understood by those having ordinary skill in the art. Moreover, and MPEP 608.01(V) clearly states that a trademark with a fixed and definite meaning forms a sufficient identification of goods or services. See latest revision of the in MPEP pages 600-88. With all due respect, this rejection is only proper when the trademark merely identifies the source of goods. As long as the trademark identifies, as it does here, the goods themselves and the characteristics of those goods, then there is nothing indefinite about the use of the trademark.

Persons having ordinary skill in the art, therefore, would clearly be guided and would clearly know the meets and bounds of what is, and is not, Java™ and/or, Jini™ . Therefore, with all due respect, the claims are completely definite as written.

There appears to be no art based rejections made in the latest rejection, paper number 20040706. Therefore, having obviated the rejections under 35 USC 112, this similarly obviates all of the rejections remaining in the case. A notice on the merits is therefore respectfully requested.

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Respectfully submitted,

Date:

4/20/05

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### Appendix of Claims

1. A method, comprising:  
obtaining a non Java™ object;  
converting said non Java™ object into a wrapped object  
which has certain attributes of a Java™ object; and  
publishing said wrapped object with a broker that publishes  
information about Java™ objects.
2. A method as in claim 1, wherein said broker is a Jini™  
broker.
3. A method as in claim 1 wherein said wrapped object is  
formed with an wrapper.
4. A method as in claim 1, wherein said converting  
comprises inspecting said non Java™ object to determine at  
least one aspect of said non Java™ object.
5. A method as in claim 4 wherein said at least one  
aspect includes keyword information, which can be used by the  
broker in a search.

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6. A method as in claim 5, further comprising searching said broker for keywords, and finding said non Java™ object based on said searching.

7. A method as in claim 4, wherein said at least one aspect includes at least one of methods or functionality.

8. A method as in claim 4, further comprising tunneling proxy code based on said aspects.

9. A method as in claim 1, further comprising automatically updating information in said broker.

10. A method as in claim 2 further comprising obtaining a Jini™ lease, which automatically updates broker if the service is still up and running.

11. A method As in claim 1, wherein said wrapped object has a format of Jini™ proxy code.

12. A computer system, comprising:  
a first portion, storing a non Java™ object;



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a bridge portion, which automatically investigates said non Java™ object, and wraps said non Java™ object into a wrapped object with a wrapper that appears to have certain attributes of a Java™ object; and

a communication element, providing said wrapped Java™ object to a broker for Java™ objects.

13. A computer system as in claim 12, further comprising a broker for Java™ objects, connected via a communication link with said communication element.

14. A computer system as in claim 13, wherein said bridge portion also produces information indicative of at least a plurality of aspects of said non Java™ object, and provides said information to said broker.

15. A computer system as in claim 14, wherein said aspects includes keywords indicating a functionality of said non Java™ object.

16. A computer system as in claim 12, wherein said bridge further stores a Java™ object which forces said attributes to be updated at specified intervals.

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17. A computer system as in claim 13, wherein said broker is a Jini™ broker.

18. A computer system as in claim 17, wherein said wrapped object is wrapped to have asked attributes of Jini™ proxies.

19. A method, comprising:  
converting a non Java™ object into a wrapped object which has certain attributes of a Java™ object;  
providing said wrapped object to a Jini™ broker which publishes various information about said Java™ object; and  
automatically updating said information.

20. A method as in claim 19, wherein said automatically updating comprises obtaining a Java™ object which requires automatic updating at specified intervals.

21. A method as in claim 20, wherein said wrapped object is wrapped in a way which simulates a Jini™ proxy.

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22. An apparatus comprising a machine-readable storage medium having executable instructions for enabling the machine to:

    obtain a non Java™ object;  
    convert said non Java™ object into a wrapped object which has certain attributes of a Java™ object;  
    and  
    provide said information in a way which allows said Java™ object to be provided to a broker wherein said converting comprises automatically searching for functionality of said non Java™ object.

24. An apparatus as in claim 23 22, wherein said converting also comprises automatically obtaining keywords about said functionality.

25. An apparatus as in claim 22, wherein said converting comprises adding keywords manually by the user through a graphical user interface.

26. A method, comprising:  
    determining information about a service that performs specified operations;

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determining if said service has certain attributes of a Java™ object, and converting a non Java™ object into a wrapped object which has certain attributes of a Java™ object; and providing said Java™ or non-Java™ service to a Jini™ broker which publishes various information about said object.

27. A method as in claim 26, wherein said determining comprises wrapping said Java™ object to look like a Java™ proxy code.